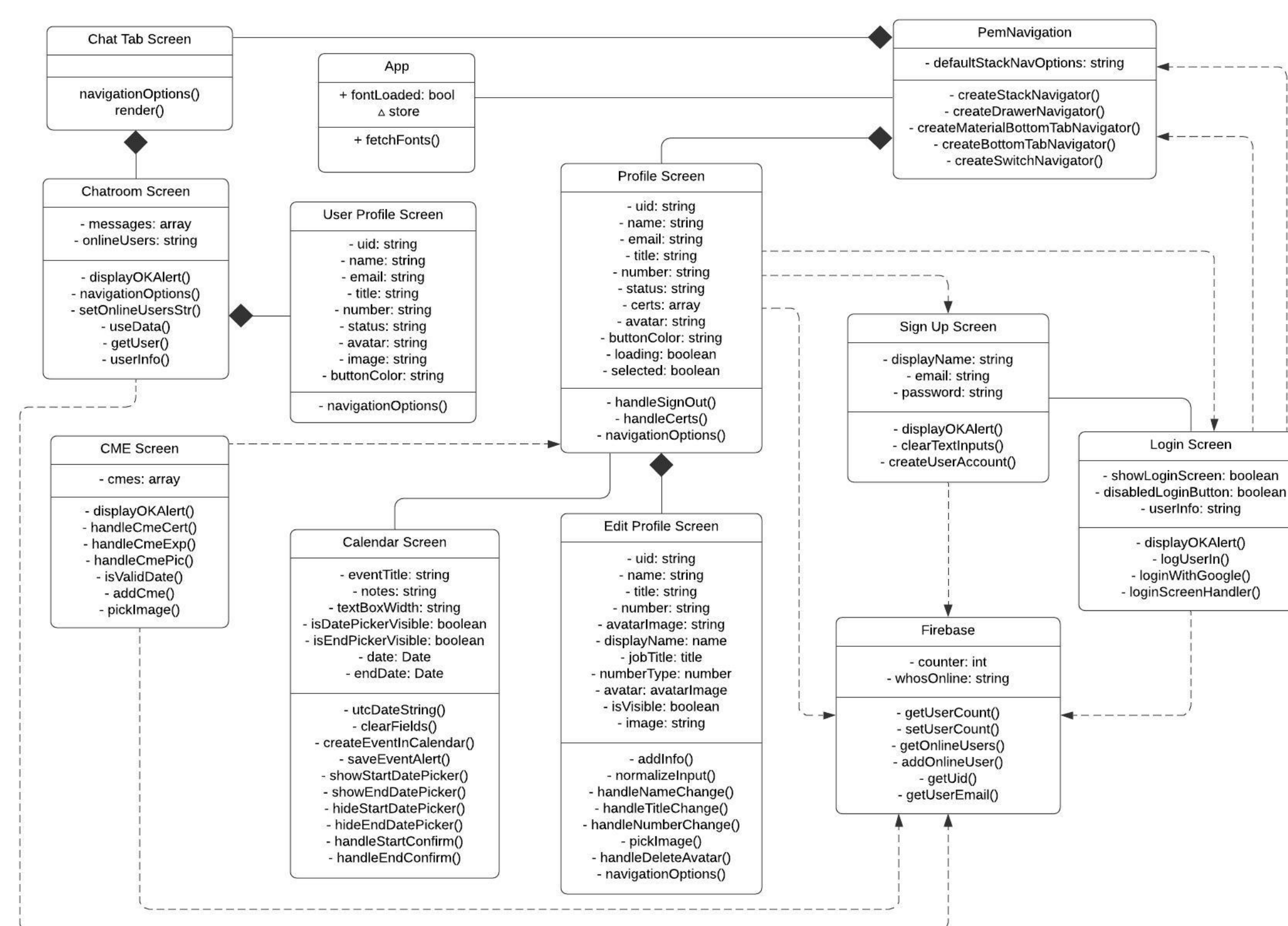


PROBLEM

Doctors and medical staff play a vital role in society, constantly being devoted to helping those in need for care. These professionals should have access to a reliable application that will provide the essential resources and necessary work tools to help them thrive at what they do, while having a good user experience using the app's features to quickly and effectively complete tasks. Healthcare workers could tremendously improve their efficiency and outcome taking advantage of the application, having all the right tools at the right time.

OBJECT DESIGN



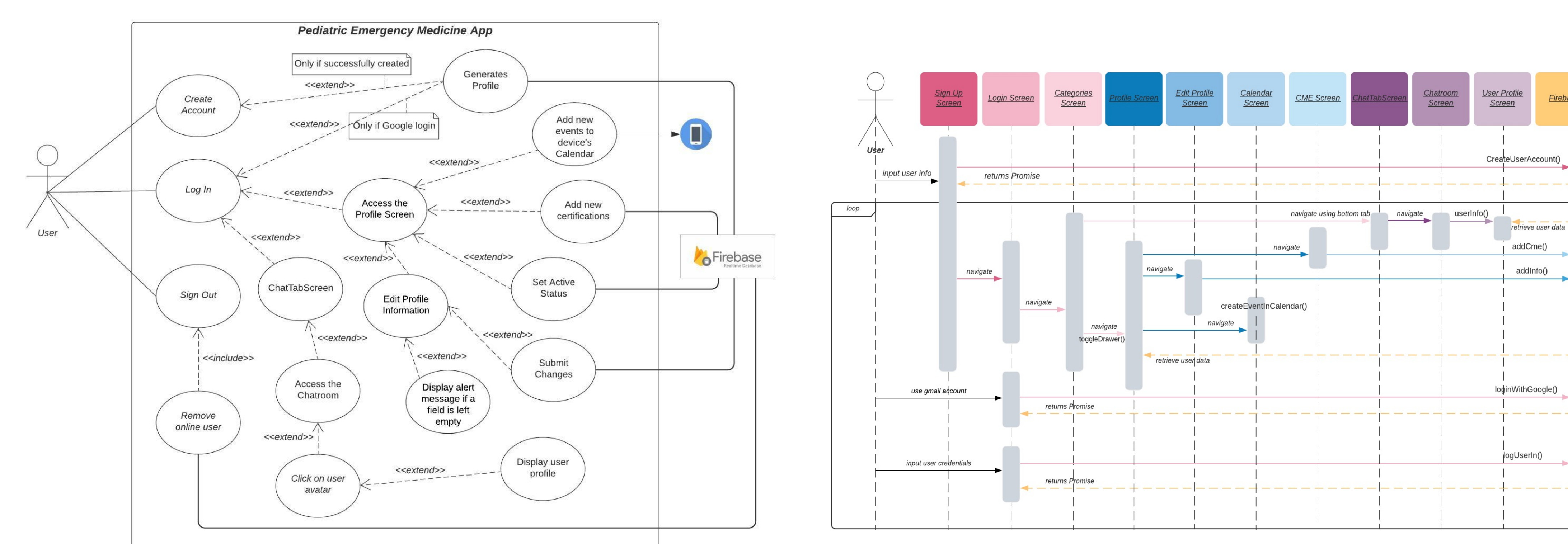
SUMMARY

As the second rendition of the Pediatric Emergency Medicine App, there were a lot of improvements done throughout the development process, and many new features were integrated to the app, including user account settings for handling profile data, active status, medical certifications, and calendar events. There is also a user profile implementation for online users in the chatroom to view each others' profile descriptions, meant to help users feel reassured knowing the people they are interacting with. To ensure the app was working properly, several tests were done, using emulators and physical devices, and making sure all the data was being successfully saved in firebase. Finally, the application supports both IOS and Android devices.

CURRENT SYSTEM

This is the second version of the Pediatric Emergency Medicine App. The current system offers medical staff a great deal of new features, from accessing, reviewing and/or modifying their account personal info, including their certifications, to adding important events to their device's calendars. The navigation of the app has also been significantly improved, integrating bottom tab navigators for the Home Page & Chatroom, easy access to the Profile screen from the drawer (side menu), which also includes the user profile photo at the top, name and email. Finally, users in the Chatroom can tap on a specific user's avatar and be taken to their user profile description, this helps users identify the people they are communicating with. Last, there was a lot of work done to the UI of these features, from colors, background images, icons, to automatic screen dimension adjustments according to the mobile device being used.

SYSTEM DESIGN



IMPLEMENTATION



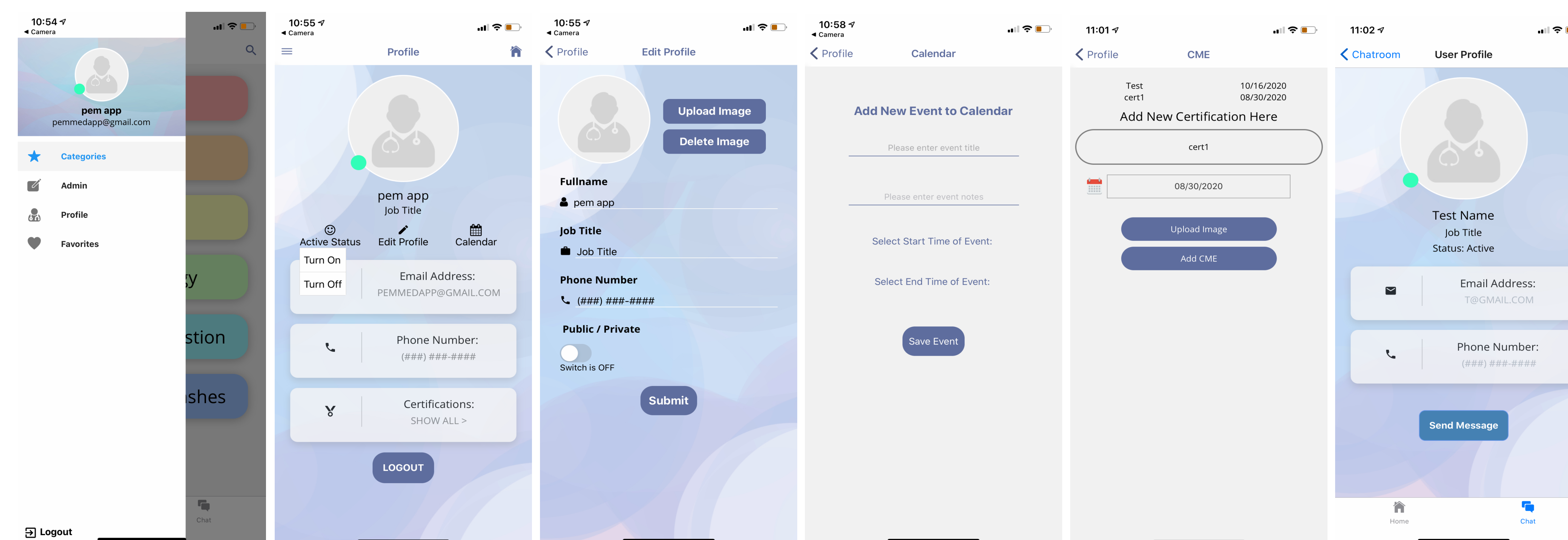
REQUIREMENTS

- Users need to sign up to the application or use google login for their profile to become accessible.
- Users need to enter the chatroom to access another user's profile.
- Users will not be able to change the information displayed on another user's profile.
- For creating calendar events, users need to add at least the event title, start date and end date.
- For users to set their active status, they need to access the Profile screen and tap on "Active status" to turn ON or turn OFF.

VERIFICATION

- All features in the app were tested for IOS and Android devices using three emulators, and two physical devices.
- Profile updates were tested to ensure they were being saved properly and all the profile info is being displayed.
- The calendar was tested to accurately create and save events to the user's default calendar.

SCREENSHOTS



Drawer Navigator (Side Menu) for accessing profile screen. Includes user profile photo, name, and email.

Profile Screen which includes user profile info like name, job title, email, & phone #. You can also set the active status, go to edit profile, calendar or certifications screen

Edit Profile Screen for uploading or deleting user profile photo and changing user profile info.

Calendar screen, you can create new events, include event title, event notes, choose a start date & end date from a scrollable date picker and save event to device's calendar.

CME screen for handling medical certifications.

User Profile Screen for when a specific user's avatar is tap on the chatroom. (Bottom Tab navigator is also shown)

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